

## Minority Science and Engineering Improvement Programs (MSIP) (CFDA No. 84.120)

### I. Legislation

Higher Education Act (HEA) of 1965, Title X, Part B, as amended (20 U.S.C. 1135b-1135d-6) (expires September 30, 1997).

### II. Funding History

<u>Fiscal Year</u>	<u>Appropriation</u>	<u>Fiscal Year</u>	<u>Appropriation</u>
1972	\$5,000,000	1988	\$5,266,000
1975	5,000,000	1989	5,307,000
1980	5,000,000	1990	5,416,000
1981	5,000,000	1991	5,855,000
1982	4,800,000	1992	6,000,000
1983	4,800,000	1993	5,892,000
1984	4,800,000	1994	5,892,000
1985	5,000,000	1995	5,839,000
1986	4,785,000	1996	5,255,000
1987	5,000,000		

### III. Analysis of Program Performance

#### A. Goals and Objectives

These programs are designed to improve science and engineering education at predominantly minority institutions and to increase the participation of underrepresented ethnic minorities, particularly minority women, in scientific and technological careers.

#### B. Strategies to Achieve the Goals

##### Population Targeting

Private and public two-year and four-year institutions of higher education are eligible for Minority Science and Engineering Improvement Programs (MSIP) grants if their enrollments are predominantly (50 percent or more) American Indian, Alaskan native, black, Hispanic, Pacific Islander, or any combination of these or other ethnic minorities who are underrepresented in science and engineering. Nonprofit, science-oriented organizations and professional scientific societies are also eligible if they provide a needed service to a group of institutions eligible for MSIP, including in-service training for project directors, scientists, or engineers.

As shown in Table 1, over the four years from FY 1993 through FY 1996, 274 awards were made. Over this period, 49 percent of the awards went to historically black institutions, 17 percent to the Puerto Rican institutions, 10 percent to the American Indian institutions, and 13 percent to those institutions with a combination of minorities.

**Table 1****Distribution of Funds by Racial Minority or Ethnic Group for FYs 1993-1996**

Racial or Ethnic Group	FY 1993		FY 1994		FY 1995		FY 1996		Total	
	No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount
Indian	4	\$440,637	8	\$789,193	8	\$506,691	8	\$371,724	28	\$2,108,245
Black	28	2,982,770	39	2,532,887	39	2,922,310	28	2,670,514	134	11,108,481
Predominately Black	1	164,572	3	274,981	4	249,220	2	77,097	10	765,870
Mexican	1	164,677	4	299,537	3	85,550	3	149,800	11	699,564
Puerto Rico	7	1,161,360	13	1,282,974	13	1,179,476	13	1,067,815	46	4,691,625
Pacific Islander	1	108,700	2	36,480	2	23,308	1	94,027	6	262,515
Combination	7	733,299	7	421,104	11	752,498	10	777,969	35	2,684,870
Nonminority	1	24,983	1	25,000	2	45,883	0	0	4	95,866
Total	50	\$5,780,998	77	\$5,662,156	82	\$5,764,936	65	\$5,208,946	274	\$22,417,036

**Services Supported**

As presented in Table 2, four categories of grants are supported with MSIP funds:

1. Institutional Project grants provide assistance to individual minority institutions to support implementation of comprehensive science improvement plans, which may include any combination of activities designed to improve the preparation of minority students for careers in science. These grants have a maximum duration of three years and a maximum award size of \$300,000.
2. Cooperative Project grants help groups of nonprofit, accredited colleges and universities to work together to conduct science improvement projects. These grants have a maximum duration of three years and a maximum award size of \$500,000.

**Table 2**  
**DISTRIBUTION OF FUNDS UNDER THE MINORITY SCIENCE AND**  
**ENGINEERING IMPROVEMENT PROGRAMS,**  
**FYs 1993 - 1996**

Type of Award	Size and Duration	1993		1994		1995		1996		Total	
		No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount	No. of Awards	Amount
Institutional Projects	\$300,000 3 years	31	\$4,649,581	48	\$4,217,831	58	\$4,356,939	42	\$3,677,083	179	\$16,901,434
Cooperative Projects	\$500,000 3 years	3	653,722	6	793,193	8	970,531	5	997,131	22	3,414,577
Design Projects	\$20,000 1 year	0	0	1	19,500	0	0	2	39,976	3	59,476
Special Projects	\$150,000 2 years	16	477,695	22	631,632	16	437,466	16	494,756	70	2,041,549
Total		50	\$5,780,998	77	\$5,662,156	82	\$5,764,936	65	\$5,208,946	274	\$22,417,036

3. Design Project grants provide assistance to minority institutions to plan and develop long-range science improvement programs. The grants have a maximum duration of one year and an award size of up to \$20,000.

4. Special Project grants support activities that improve the quality of training in science, mathematics, and engineering; enhance minority institutions' general scientific research capabilities; provide needed services to groups of eligible minority institutions; or provide in-service training for project directors and faculty from eligible minority institutions. These grants have a maximum duration of two years and a maximum award size of \$150,000.

Over \$21 million has been obligated for MSIP from FY 1993 through FY 1996. Most of that funded institutional project grants, which represented approximately 65 percent of the funds from FY 1993 to FY 1996.

### **C. Program Performance—Indicators of Impact and Effectiveness**

The program office is currently developing the performance indicators that will be used to assess the program's performance. See also Office-Wide Performance Indicators for the Office of Postsecondary Education displayed in the Overview (OPS) to the postsecondary education programs.

## **IV. Sources of Information**

Program files.

## **V. Planned Studies**

None.

## **VI. Contacts for Further Information**

Program Operations: Argelia Velez-Rodriguez, (202) 260-3261

Program Studies: Jim Maxwell, (202) 401-3630